

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4961691

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GREGORY JOHN CARVEN	06/08/2008
HANS VAN EENENNAAM	08/04/2009
GRADUS JOHANNES DULOS	06/17/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	N.V. ORGANON
<b>Street Address:</b>	KLOOSTERSTRAAT 6
<b>City:</b>	OSS
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	5349 AB
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15810892
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)594-4720
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	7325942583
<b>Email:</b>	us_efs@merck.com
<b>Correspondent Name:</b>	MERCK SHARP & DOHME CORP.
<b>Address Line 1:</b>	126 EAST LINCOLN AVENUE
<b>Address Line 2:</b>	RY86-2011A
<b>Address Line 4:</b>	RAHWAY, NEW JERSEY 07065
<b>ATTORNEY DOCKET NUMBER:</b>	OR06827-US-DIV-3
<b>NAME OF SUBMITTER:</b>	KAREN A. MARGIOTTO
<b>SIGNATURE:</b>	/Karen A. Margiotto/
<b>DATE SIGNED:</b>	05/15/2018
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

WHEREAS, WE,

- (1) Gregory John Carven, residing at Maynard, Massachusetts,
- (2) Hans van Eenennaam, residing at Nijmegen, The Netherlands,
- (3) Gradus Johannes Dulos, residing at Elst, The Netherlands

(hereinafter ASSIGNORS), are the inventors of the invention claimed in

### ANTIBODIES TO hPD-1

for which we have filed/will be filing an application in the U.S. Receiving Office (the United States Patent and Trademark Office) officially identified\* as International Patent Application Number PCT/US2008/007463 filed on 06/13/2008 and/or with the United States Patent and Trademark Office officially identified\* as Application Number 12/663,950 filed on 12/10/2009; and

WHEREAS, **N.V. ORGANON**, a corporation organized and existing under and by virtue of the laws of the Netherlands, with its principal office and place of business at Kloosterstraat 6, 5349 AB, Oss, the Netherlands, (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, said ASSIGNORS, do each hereby sell, assign and transfer to said **ASSIGNEE** our entire right, title and interest in all countries of the world in and to our invention described in said patent application or applications, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in **ASSIGNEE**, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of **ASSIGNEE**, execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, its successors, assigns or other legal representatives.

\*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number or Numbers and the filing dates of said applications for Letters Patent when officially notified thereof.

Executed this 12 day of June, 2008.

*Gregory John Carven* L.S.  
Gregory John Carven

**ACKNOWLEDGEMENT**

State of Massachusetts )  
County of Middlesex ) s.s.:

On this 12<sup>th</sup> day of June, 2008, personally appeared before me Gregory John Carven to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)



**LINA M. TERRANOVA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
October 26, 2012

*Lina M. Terranova*  
Notary Public

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Hans van Eenennaam L.S.

**ACKNOWLEDGEMENT**

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me Hans van Eenennaam to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

\_\_\_\_\_  
Notary Public



## WORLDWIDE ASSIGNMENT

WHEREAS, WE,

- (1) Gregory John Carven, residing at Maynard, Massachusetts  
 (2) Hans van Eenennaam, located at Oss, The Netherlands  
 (3) Gradus Johannes Dulos, located at Oss, The Netherlands

(hereinafter ASSIGNORS), are the inventors of the invention claimed in

ANTIBODIES TO HPD-1

for which we have filed/will be filing an application in the European Patent Office officially identified\* as EPO Application Number \_\_\_\_\_ filed on \_\_\_\_\_, 20\_\_\_\_, and/or in the United States Patent and Trademark Office officially identified\* as Application Number 12/663,950 filed on 12/10/2009, and/or in the \_\_\_\_\_ Receiving Office of the World Intellectual Property Organization officially identified\* as International Patent Application Number PCT/US2008/007463 filed on 06/13/2008; and

WHEREAS, **N.V. Organon**, a corporation organized under the laws of the Netherlands, having its principal office at Kloosterstraat 6, 5349 AB, Oss, the Netherlands, (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, said ASSIGNORS, do each hereby sell, assign and transfer to said **ASSIGNEE** our entire right, title and interest in all countries of the world in and to our invention described in said patent application or applications, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that are granted from any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, its successors, assigns and other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in **ASSIGNEE**, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of **ASSIGNEE**, execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, its successors, assigns or other legal representatives.

And we further covenant and agree that we will at any time, upon request, communicate to **ASSIGNEE**, its successors, assigns or other legal representatives, any facts relating to the said invention and Letters Patent, or the history thereof known to us, and will testify as to the same in any interference, litigation, or any other legal proceeding, when requested to do so.

\*We hereby authorize ASSIGNEE to insert in this instrument Application Number or Numbers and the filing dates of said applications for Letters Patent when officially notified thereof.

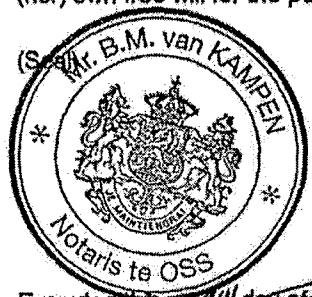
Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
L.S.  
GREGORY JOHN CARVEN

**ACKNOWLEDGEMENT**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } s.s.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me GREGORY JOHN CARVEN to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.



\_\_\_\_\_  
Notary Public

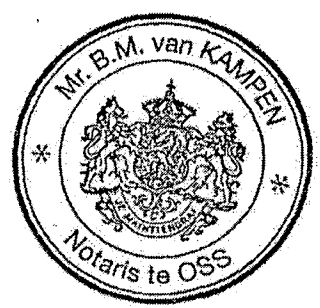
Executed this 4th day of August, 2009.

\_\_\_\_\_  
L.S.  
HANS VAN EENENNAAM

**ACKNOWLEDGEMENT**

On this 4th day of August, 2009, the undersigned, mr. Barbara Maria van Kampen, civil law notary, officiating in Oss (The Netherlands), hereby declares that the signature on this document is identical to the signature of Mr/Mrs/Me H. van Eenennaam\*, place of birth Middelburg\*, date of birth 3th November 1933\*, who has deposited his/her signature in person before me, civil law notary, on 4th August\*, by a Deposit Act of a Signature, number 2009-530\*, which deposit act has been deposited under the minutes of me, civil law notary, by deed, executed by me, civil law notary on 4th August 2009\*.  
Oss, 4th August 2009\*

(Seal)



\_\_\_\_\_  
Notary Public

Executed this 17<sup>th</sup> day of June, 2009

[Signature] L.S.  
GRABUS JOHANNES DULOS

**ACKNOWLEDGEMENT**

On this 17<sup>th</sup> day of June, 2009, the undersigned, mr. Barbara Maria van Kampen, civil law notary, officiating in Oss (The Netherlands), hereby declares that the signature on this document is identical to the signature of Mr/Mrs/Ms- G.J. Dulos, place of birth Valburg, date of birth 31<sup>st</sup> August 1962, who has deposited his/her signature in person before me, civil law notary, on 17<sup>th</sup> June 2009, by a Deposit Act of a Signature, number 2009-377, which deposit act has been deposited under the minutes of me, civil law notary, by deed, executed by me, civil law notary on 17<sup>th</sup> June 2009 Oss, 17<sup>th</sup> June 2009.

(Seal)

[Signature]  
Notary Public

